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GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus_p2n model

Run on: November 9, 2002, 08:33:55 ; Search time 89 seconds
(without alignments)
757.407 Million cell updates/sec

Title: US-09-895-298A-83
Perfect score: 190
Sequence: 1 MMNFQPFKAMRASQMTFF.....HDSGLDLRSRVSQEGNPRA 190

Scoring table:

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Xgapop 60.0 , Xgapext 60.0	
Ygapop 60.0 , Ygapext 60.0	
Egapop 6.0 , Egapext 7.0	
Delop 6.0 , Delext 7.0	

Searched: 320260 segs, 177392727 residues

Word size: 4

Total number of hits satisfying chosen parameters: 262889

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:

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-DB=Published.Applications.NA -OPMT=fastap -SUEFIX=oligna.rnpb -MINMATCH=0.1
-LOOPEXT=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo
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-ALIGN=15 -MODE=LOCAL -OUTFMT=pico -NORM=ext -HEAPSIZE=500 -MINLEN=0
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-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Published.Applications.NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	35	18.4	454	US-09-864-761-11449	Sequence 11449, A
2	31	16.3	94	US-09-864-761-28040	Sequence 28040, A
3	10	5.3	202	US-09-960-352-9114	Sequence 9114, Ap
4	10	5.3	412	US-09-960-352-10375	Sequence 10375, A

C	5	9	4.7	1506	10	US-09-815-242-6769	Sequence 6769, Ap
C	6	9	4.7	14286	10	US-09-070-927A-162	Sequence 162, App
	7	8	4.2	219	10	US-09-960-352-14266	Sequence 14266, A
C	8	8	4.2	344	10	US-09-960-352-1036	Sequence 1036, Ap
	9	8	4.2	353	10	US-09-960-352-3041	Sequence 3041, Ap
	10	8	4.2	403	10	US-09-960-352-11657	Sequence 11657, A
	11	8	4.2	439	10	US-09-960-352-1009	Sequence 1009, Ap
	12	8	4.2	592	10	US-09-879-536-39	Sequence 39, App
C	13	8	4.2	597	10	US-09-864-761-7523	Sequence 7523, Ap
	14	8	4.2	789	9	US-09-938-842A-3734	Sequence 3734, Ap
C	15	8	4.2	836	10	US-09-770-445-675	Sequence 675, App
C	16	8	4.2	942	10	US-09-962-832-256	Sequence 256, App
	17	8	4.2	3017	10	US-09-818-143-8	Sequence 8, App
C	18	8	4.2	13808	10	US-09-070-927A-271	Sequence 271, App
C	19	7	3.7	25	10	US-09-866-108-3286	Sequence 3286, App
C	20	7	3.7	25	10	US-09-866-108-3287	Sequence 3287, Ap
C	21	7	3.7	25	10	US-09-866-108-3288	Sequence 3288, Ap
C	22	7	3.7	25	10	US-09-866-108-3289	Sequence 3289, Ap
C	23	7	3.7	25	10	US-09-866-108-3290	Sequence 3290, Ap
C	24	7	3.7	117	10	US-09-960-352-5898	Sequence 5898, Ap
C	25	7	3.7	127	10	US-09-960-352-13956	Sequence 13956, A
C	26	7	3.7	134	10	US-09-960-352-3051	Sequence 3051, Ap
	27	7	3.7	147	10	US-09-878-574-2241	Sequence 2241, Ap
C	28	7	3.7	173	10	US-09-864-761-26338	Sequence 26338, A
	29	7	3.7	176	10	US-09-864-761-26684	Sequence 26684, A
C	30	7	3.7	185	10	US-09-864-761-29796	Sequence 29796, A
C	31	7	3.7	210	10	US-09-867-701-4681	Sequence 4681, Ap
C	32	7	3.7	213	10	US-09-974-300-8153	Sequence 8153, Ap
C	33	7	3.7	227	10	US-09-974-300-6732	Sequence 6732, Ap
C	34	7	3.7	232	10	US-09-864-761-29282	Sequence 29282, A
C	35	7	3.7	240	10	US-09-878-574-900	Sequence 900, App
	36	7	3.7	247	10	US-09-923-876-436	Sequence 436, App
C	37	7	3.7	260	10	US-09-983-965-4272	Sequence 4272, Ap
	38	7	3.7	262	10	US-09-923-876-1036	Sequence 1036, Ap
	39	7	3.7	264	10	US-09-878-574-10108	Sequence 10108, A
C	40	7	3.7	268	10	US-09-923-876-4336	Sequence 4336, Ap
C	41	7	3.7	273	10	US-09-960-352-1647	Sequence 1647, Ap
C	42	7	3.7	273	10	US-09-960-352-5968	Sequence 5968, Ap
C	43	7	3.7	273	10	US-09-960-352-7360	Sequence 7360, Ap
	44	7	3.7	273	10	US-09-764-877-2492	Sequence 2492, Ap
	45	7	3.7	273	10	US-09-764-877-2493	Sequence 2493, Ap

ALIGNMENTS

RESULT 1
US-09-864-761-11449
; Sequence 11449, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; FILE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecmca-X-1
; CURRENT APPLICATION NUMBER: US/09/864, 761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180, 312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207, 456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632, 366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236, 359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30

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; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 28040
; LENGTH: 94
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC003108.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
; OTHER INFORMATION: NT HIT: AJ276505.1, EVALUE 5.00e-02
; OTHER INFORMATION: EST_HUMAN HIT: AW582253.1, EVALUE 5.00e-46
US-09-864-761-28040

Alignment Scores:
Pred. No.: 4.79e-24 Length: 94
Score: 31.00 Matches: 31
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 16.32% Indels: 0
DB: 10 Gaps: 0

US-09-895-298A-83 (1-190) x US-09-864-761-28040 (1-94)

QY 131 LysMetPheLeuIleGluIysLeuIleLysLeuGlnAspMetGluIysAlaAsnPro 150
|||||
Db 2 AAAAAGTTCCTGATAGAAAAAATTGATCAACGTCGACGATATGAGAAAGCAAAACCCC 61
|||||

QY 151 SerSerLeuValLeuGluIuArgGluValGlu 161
|||||
Db 62 AGCTCACTTGTCTCGAAAGAGAGAGAGGTGAG 94
|||||

RESULT 3
US-09-960-352-9114
; Sequence 9114, Application US/09960352
; Patent No. US20020137139A1

```

```

; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 9114
; LENGTH: 202
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 39-LIB3058-056-Q1-K1-B4
US-09-960-352-9114

Alignment Scores:
Pred. No.: 0.045 Length: 202
Score: 10.00 Matches: 10
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.26% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-960-352-9114 (1-202)

QY 91 PhepPheHeileuThrleuIleValleu 100
DB 79 TTTTCTTTTCTTCTACACTGATGTATG 108

RESULT 4
US-09-960-352-10375
; Sequence 10375, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 10375
; LENGTH: 412
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 45-BOYMS1-005-Q1-E1-D10
US-09-960-352-10375

Alignment Scores:
Pred. No.: 0.0882 Length: 412
Score: 10.00 Matches: 10
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.26% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-960-352-10375 (1-412)

QY 91 PhepPheHeileuThrleuIleValleu 100
DB 38 TTTTCTTTTCTTCTACACTGATGTATG 67

RESULT 5
US-09-815-242-6769
; Sequence 6769, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6769
; LENGTH: 1506
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1506)
US-09-815-242-6769

Alignment Scores:
Pred. No.: 3.22 Length: 1506
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.74% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-815-242-6769 (1-1506)

QY 173 GlysSerLeuAspLeuArgSerArgArg 181
DB 423 GGTTCGTTGATCTTAGATCAGCTAGA 449

RESULT 6
US-09-070-927A-162/C
; Sequence 162, Application US/09070927A
; Patent No. US20020120116A1
; GENERAL INFORMATION:
; APPLICANT: Charles A. Kunsch
; APPLICANT: Patrick J. Dillon
; APPLICANT: Steven Barash
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 982
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
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; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/070,927A
; FILING DATE: 04-May-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/046,655
; FILING DATE: 1997-05-16
; APPLICATION NUMBER: 60/044,031
; FILING DATE: 1997-05-06
; APPLICATION NUMBER: 60/066,009
; FILING DATE: 1997-11-14
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenley K. Hoover
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PB369
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 162:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14286 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 162:
US-09-070-927A-162
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Alignment Scores:
Pred. No.:      26.9      Length:      14286
Score:          9.00      Matches:      9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:     4.74%      Indels:      0
DB:              10        Gaps:         0
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US-09-895-298A-83 (1-190) x US-09-070-927A-162 (1-14286)

```
OY  173 GlySerLeuAspLeuArgSerArgArg 181
      |||||||
Db   6965 GGTTCGTTGGATCTTAGATCAGCTAGA 6939
```

```

RESULT 7
US-09-960-352-14266
; Sequence 14266, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 14266
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 61-LIB3057-011-Q1-K1-H2
US-09-960-352-14266
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```

Alignment Scores:
Pred. No.:      5.62      Length:      219
Score:          8.00      Matches:      8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:     4.21%      Indels:      0
DB:              10        Gaps:         0
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US-09-895-298A-83 (1-190) x US-09-960-352-14266 (1-219)

```
OY  91 PhePhePheLeuThrLeuLeu 98
      |||||||
Db   67 TTTTCTTATCTGACCGATC 90
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```

RESULT 8
US-09-960-352-1036
; Sequence 1036, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 1036
; LENGTH: 344
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 05-LIB3058-031-Q1-K1-B1
US-09-960-352-1036
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Alignment Scores:
Pred. No.:      8.6      Length:      344
Score:          8.00      Matches:      8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:     4.21%      Indels:      0
DB:              10        Gaps:         0
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US-09-895-298A-83 (1-190) x US-09-960-352-1036 (1-344)

```
OY  19 PhePheLeuPheLeuPhePhe 26
      |||||||
Db   92 TTTTATTTTATTTATTTT 115
```

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RESULT 9
US-09-960-352-3041/C
; Sequence 3041, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 3041
; LENGTH: 353
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 14-BOVMS1-014-Q1-E1-D5
US-09-960-352-3041
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Alignment Scores:
Pred. No.:      8.81      Length:      353
Score:          8.00      Matches:      8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:     4.21%      Indels:      0
DB:              10        Gaps:         0
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US-09-895-298A-83 (1-190) x US-09-960-352-3041 (1-353)

OY 19 PhepheleleuPhephe 26
Db 75 TTTTATTTCTTTGTTTTT 52

RESULT 10

US-09-960-352-11657
; Sequence 11657, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960.352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 11657
; LENGTH: 403
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 50-LIB3057-004-Q1-K1-E6
US-09-960-352-11657

Alignment Scores:

Pred. No.: 9.99 Length: 403
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-960-352-11657 (1-403)

OY 19 PhepheleleuPhephe 26
Db 310 TTTTATTTTATTTATTTT 333

RESULT 11

US-09-960-352-1009
; Sequence 1009, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT APPLICATION NUMBER: US/09/960.352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 1009
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (62)
; OTHER INFORMATION: unsure at all n locations
; OTHER INFORMATION: Clone ID: 05-LIB3057-015-Q1-K1-B9
US-09-960-352-1009

Alignment Scores:

Pred. No.: 10.8 Length: 439
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-960-352-1009 (1-439)

OY 19 PhepheleleuPhephe 26
Db 158 TTTTATTTCTTATTTT 181

RESULT 12

US-09-879-536-39
; Sequence 39, Application US/09879536
; Patent No. US20020144298A1
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dertl, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/879.536
; CURRENT FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/088,801
; PRIOR FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 592
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(592)
; OTHER INFORMATION: n = A,T,C or G
US-09-879-536-39

Alignment Scores:

Pred. No.: 14.4 Length: 592
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-879-536-39 (1-592)

OY 91 PhepheleleuThreulle 98
Db 45 TTTTTCATATTCACATTAATA 68

RESULT 13

US-09-864-761-7523/C
; Sequence 7523, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecm1ca-x-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04

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; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 7523
; LENGTH: 597
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC022470.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.3
; US-09-864-761-7523

Alignment Scores:
Pred. No.: 14.5 Length: 597
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 10 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-864-761-7523 (1-597)

QY 19 phepellepheeulephee 26
Db 77 TTTTATTATTTTATTTT 54

RESULT 14
US-09-938-842A-3734
; Sequence 3734, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kieps, Joel
```

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; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME, AND METHODS OF USE
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3734
; LENGTH: 789
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; US-09-938-842A-3734

Alignment Scores:
Pred. No.: 18.8 Length: 789
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.21% Indels: 0
DB: 9 Gaps: 0

US-09-895-298a-83 (1-190) x US-09-938-842A-3734 (1-789)

QY 22 pheleulepheeProserphe 29
Db 273 TTCTTACTTTCTTCTTCTTTC 296

RESULT 15
US-09-770-445-675/C
; Sequence 675, Application US/09770445
; Patent No. US20020023281A1
; GENERAL INFORMATION:
; APPLICANT: Gorlach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Mathew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Krickler, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2023US (PARA-012PRV)
; CURRENT APPLICATION NUMBER: US/09/770,445
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 60/178,472
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 675
; LENGTH: 836
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
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; LOCATION: (1)...(836)
; OTHER INFORMATION: n = A,T,C or G
US-09-770-445-675

Alignment Scores:

Pred. No.:	19.9	Length:	836
Score:	8.00	Matches:	8
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	4.21%	Indels:	0
DB:	10	Gaps:	0

US-09-895-298A-83 (1-190) x US-09-770-445-675 (1-836)

QY 175 LeuaspLeuArgSerArgSer 182
|||
Db 239 CTGGACCTAAGATCGAGGAGGTCG 216

Search completed: November 9, 2002, 10:21:48
Job time : 94 secs

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